

is provided at the end of this document to illustrate the changes made for the Examiner.

A3
3. (Amended) The ink-jet imaging apparatus according to claim 1, wherein the controller functions to change timing of ink ejection of the ink ejection element in correspondence with the shape of the ink liquid face at the outlet of the nozzle.

2000-05-01
6. (Amended) The ink-jet imaging apparatus according to claim 4, wherein a memory is provided for memorizing preliminarily the prescribed time interval varying in dependence of the inside temperature of the printing head for each of the inside temperature, and

A4
the controller may control both of the first ink ejection element and the second ink ejection element to eject the ink at intervals memorized in the memory based on the inside temperature detected by the temperature sensor.

7. (Amended) The ink-jet imaging apparatus according to claim 4, wherein the controller decides the number of times of simultaneous driving of the first ink ejection element and the second ink ejection element based on the temperature detected by the temperature sensor.

A5
14. (Amended) The ink-jet imaging apparatus according to claim 1, wherein the above ink ejection element is a heater

15 (cont'd)
element which generates heat, or a piezo element which causes a piezo electric effect.

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Please add new claims 15-23 as follows:

15. The ink-jet imaging apparatus according to claim 2, wherein the controller functions to change timing of ink ejection of the ink ejection element in correspondence with the shape of the ink liquid face at the outlet of the nozzle.

16. The ink-jet imaging apparatus according to claim 5, wherein a memory is provided for memorizing preliminarily the prescribed time interval varying in dependence of the inside temperature of the printing head for each of the inside temperature, and

the controller may control both of the first ink ejection element and the second ink ejection element to eject the ink at intervals memorized in the memory based on the inside temperature detected by the temperature sensor.

17. The ink-jet imaging apparatus according to claim 5, wherein the controller decides the number of times of simultaneous driving of the first ink ejection element and the second ink ejection element based on the temperature detected by the temperature sensor.

18. The ink-jet imaging apparatus according to claim 6, wherein the controller decides the number of times of

simultaneous driving of the first ink ejection element and the second ink ejection element based on the temperature detected by the temperature sensor.

19. The ink-jet imaging apparatus according to claim 17, wherein two or more of the printing heads are provided, and the controller decides the above-mentioned number of times for each of the printing heads independently in accordance with properties of the ink to be ejected through the nozzles of each of the printing heads.

20. The ink-jet imaging apparatus according to claim 18, wherein two or more of the printing heads are provided, and the controller decides the above-mentioned number of times for each of the printing heads independently in accordance with properties of the ink to be ejected through the nozzles of each of the printing heads.

21. The ink-jet imaging apparatus according to claim 16, wherein the memory memorizes the number of times of simultaneous driving of the first ink ejection element and the second ink ejection element, varying with the inside temperature of the printing head, and

the controller controls both of the first ink ejection element and the second ink ejection element to eject the ink in the number of times and in the time intervals derived from the